

# Refrigerated Air Dryer Quick Selection Table



PS-E20-1



Air compressor [kW]	Air dryer series	Air flow capacity [m <sup>3</sup> /min, 50 Hz]		Air flow capacity [m <sup>3</sup> /min, 60 Hz]		Rated inlet condition	Power supply (50 Hz) (60 Hz)
		Standard condition (ANR)	Compressor intake condition	Standard condition (ANR)	Compressor intake condition		
0.75	<b>IDF1E</b>	0.10	0.11	0.12	0.13	35°C 0.7 MPa	Single-phase 100 VAC
1.5	<b>IDF2E</b>	0.20	0.21	0.235	0.25		
2.2	<b>IDF3E</b>	0.32	0.34	0.37	0.39		
3.7	<b>IDF4E</b>	0.52	0.55	0.57	0.61		
5.5	<b>IDF6E</b>	0.75	0.80	0.82	0.87		Single-phase 100 VAC Single-phase 200 VAC
7.5	<b>IDF8E</b>	1.22	1.30	1.32	1.40		
11	<b>IDF11E</b>	1.65	1.75	1.82	1.93		
15	<b>IDF15E1</b>	2.8	3.0	3.1	3.3		Single-phase 200 VAC Three-phase 200 VAC
22	<b>IDF22E</b>	3.9	4.1	4.3	4.6		
	<b>IDF60</b>	5.3	5.6	6.1	6.5		
37	<b>IDF37E</b>	5.7	6.1	6.1	6.5		
	<b>IDF70</b>	7.5	8.0	8.6	9.1		
55	<b>IDF55E</b>	8.4	8.9	9.8	10.4	Three-phase 200 VAC	
75	<b>IDF75E</b>	11.0	11.7	12.4	13.2		
	<b>IDF80</b>	10.9	11.6	12.8	13.6		
100	<b>IDF90</b>	13.5	14.3	15.5	16.4	Single-phase 200 VAC Three-phase 200 VAC	
	<b>IDF100F</b>	16.0	17.0	18.8	20.0		
	<b>IDF100FS</b>	16.0	16.7	18.8	19.6		
125	<b>IDF125F</b>	20.1	21.0	23.7	25.0		
	<b>IDF125FS</b>	20.1	20.9	23.7	24.7		
150	<b>IDF150F</b>	25.0	27.0	30.0	32.0		Three-phase 200 VAC
	<b>IDF150FS</b>	25.0	26.0	27.0	28.1		
190	<b>IDF190D</b>	32.0	34.0	38.0	40.0		
240	<b>IDF240D</b>	43.0	46.0	50.0	53.0		
370	<b>IDF370D</b>	54.0	57.0	65.0	69.0		

\* The air flow capacity when the ambient temperature is 32°C and the outlet air pressure dew point is 10°C

\* The air flow capacity varies depending on the inlet air pressure, inlet air temperature, ambient temperature, outlet air pressure dew point, and power supply voltage frequency.

# Compressed Air Cleaning Filter Quick Selection Table



Air compressor [kW]	Air flow capacity [m <sup>3</sup> /min (ANR)]	Main line filter	Mist separator	Micro mist separator
0.75	0.10	<b>AFF20 (0.3)</b>	<b>AM20</b>	<b>AMD20 (0.3)</b>
1.5	0.20	<b>AFF2C (0.3)</b>	<b>AM150C</b>	<b>AMD150C (0.2)</b>
2.2	0.32	<b>AFF30 (0.75)</b> <b>AFF4C (0.75)</b>	<b>AM30</b> <b>AM250C</b>	<b>AMD30 (0.75)</b> <b>AMD250C (0.5)</b>
3.7	0.52			<b>AMD30 (0.75)</b> <b>AMD350C (1)</b>
5.5	0.75			
7.5	1.22	<b>AFF40 (1.5)</b> <b>AFF8C (1.5)</b>	<b>AM40 (1.5)</b> <b>AM350C (1.5)</b>	<b>AMD40 (1.5)</b> <b>AMD450C (2)</b>
11	1.65	<b>AFF11C</b>	<b>AM450C</b>	
15	2.8	<b>AFF22C</b>	<b>AM550C</b>	<b>AMD550C</b>
22	3.9	<b>AFF70D</b> <b>AFF37B</b>	<b>AM70D</b> <b>AM650</b>	<b>AMD70D</b> <b>AMD650</b>
37	5.7			
55	8.4	<b>AFF80D (11)</b> <b>AFF75B (12)</b>	<b>AM80D (11)</b> <b>AM850 (12)</b>	<b>AMD80D (11)</b> <b>AMD850 (12)</b>
75	11.0	<b>AFF90D (14.5)</b>	<b>AM90D (14.5)</b>	<b>AMD90D (14.5)</b>
100	16.0	<b>AFF125A</b>	<b>AFF125A-X13</b>	<b>AMD900</b>
125	20.1			
150	25.0	<b>AFF150A</b>	<b>AFF150A-X13</b>	<b>AMD1000</b>
190	32.0	<b>AFF220A</b>	<b>AFF220A-X13</b>	
240	43.0	—	—	—
370	54.0	—	—	—

\* The flow capacity when the inlet pressure is 0.7 MPa  
 \* The values in parentheses are the flow capacity.  
 \* The AFF20, 30, and 40 are line filters.